

DLO/RHH/RHW-2/RW90/RW90-TC 2000V

Portable Power Cable 90°C UL CSA MSHA Industrial Grade



SPECIFICATIONS & STANDARDS

UL 44, ICEA S-95-658/NEMA WC70, UL 1685, IEEE-1202, CSA C22.2 No. 38, CSA C22.2 No. 230, ASTM B 8, ASTM B 33, AAR, RP-588 RP-586

CONSTRUCTION:

Nominal voltage:	RHH/RHW-2 600V and 2000V, RW-90 CSA, 1kV, DLO 2kV
Conductors:	Flexible strand tin coated copper conductor, B-172, ASTM B-33
Separator:	Tape separator between conductor and insulation
Insulation:	Ethylene-propylene rubber (EPR), UL, CSA, ICEA, AAR RP-588, 90°C
Jacket:	Black heavy duty, thermoset CPE, ICEA S-95-658 NEMA WC70, AAR RP-586
Bending radius:	For fixed – minimum 4xD, for flexible – minimum 6xD, D – diameter of cable

FEATURES	APPLICATION
- UL listed RHH/RHW-2 600 V and 2000V for black jacket - Rated 2kV DLO, 1kV RW90 - 90°C (dry) 90°C (wet) - Ozone, sunlight, oil, grease, weather, water, chemical and abrasion resistant jacket - Rated RW90-TC (Tray Cable) for sizes 1/0 AWG and larger - MSHA, VW-1, SUN RES, FOR CT USE for sizes 1/0 AWG and larger and for black jacket - Limited Smoke (LS) ST1 in accordance with (UL) 1685 - CSA listed RW90, RW90-TC (for black jacket) 1kV	- Designed for uses requiring a flexible heavy duty power cables - For portable or fixed installations - Leads for motors, generators, batteries, jumper cables - Deep well Submersible Pump Cable - For use in renewable energy applications. - Shipyard and railroad applications.

APPROVALS:

UL:	E193954 (CPE jacket) RHW-2 90C wet and dry, VW-1, Sun Res, for 1/0 and larger ST-1, FT-4, IEEE1202, for CT use
C(UL):	E193954: TYPE RW90 EP; 1000V; FT1
CSA:	1101269 LL103932: 205591; RW-90 90C; FT1; FT4; -40C; for 1/0AWG and larger: OIL RES, Tray Cable, Sun Res
MSHA:	P-7268080-01-MSHA

Part Number	Power Conductor Size	Power Conductor Stranding	Conductor Diameter	Nominal Insulation Thickness	Nominal Jacket Thickness	Nominal O.D.		Approx. Weight		Ampacity at Ambient Temp. 30°C
	AWG or MCM	No. of Stranding	inches	inches	inches	inches	mm	lbs/1000 ft	kgs/km	A
DLO14	14 AWG	19/27	0.074	0.045	0.030	0.193	4.9	25	37	35
DLO12	12 AWG	19/25	0.094	0.045	0.030	0.217	5.5	46	68	40
DLO10	10 AWG	27/24	0.128	0.045	0.030	0.248	6.3	67	100	55
DLO8	8 AWG	37/24	0.147	0.060	0.030	0.323	8.2	95	141	80
DLO6	6 AWG	61/24	0.207	0.060	0.030	0.362	9.2	134	199	105
DLO4	4 AWG	105/24	0.264	0.060	0.030	0.413	10.5	192	286	140
DLO2	2 AWG	150/24	0.314	0.060	0.030	0.489	12.4	248	369	190
DLO1	1 AWG	225/24	0.390	0.080	0.045	0.583	14.8	428	637	220
DLO1/0	1/0 AWG	275/24	0.420	0.080	0.045	0.642	16.3	480	714	260
DLO2/0	2/0 AWG	325/24	0.460	0.080	0.045	0.681	17.3	558	830	300
DLO3/0	3/0 AWG	450/24	0.555	0.080	0.045	0.781	19.8	742	1104	350
DLO4/0	4/0 AWG	550/24	0.587	0.080	0.045	0.815	20.7	872	1298	405
DLO262	262 MCM	650/24	0.660	0.095	0.065	0.921	23.4	1068	1589	471
DLO313	313 MCM	775/24	0.725	0.095	0.065	0.984	25.1	1258	1872	511
DLO373	373 MCM	925/24	0.787	0.095	0.065	1.055	26.8	1462	2176	590
DLO444	444 MCM	1100/24	0.870	0.095	0.065	1.138	28.9	1726	2568	656
DLO535	535 MCM	1325/24	0.950	0.110	0.065	1.244	31.6	2018	3046	731
DLO646	646 MCM	1600/24	1.040	0.110	0.065	1.355	33.9	2416	3595	815
DLO777	777 MCM	1925/24	1.130	0.110	0.065	1.433	36.4	2881	4287	905
DLO929	929 MCM	2300/24	1.208	0.110	0.065	1.516	38.5	3455	5142	1005
DLO1111	1111 MCM	2750/24	1.370	0.125	0.095	1.791	45.5	4077	6067	1115

*** Based on single conductor in free air, 30°C ambient air temperature 90°C conductor temperature per 2005 NEC Table 310.17

STANDARD PRINT LEGEND:

1 AWG AND SMALLER:

TF CABLE E193954 (UL) RHW-2 (SIZE) 2KV VW-1 SUN RES (CSA) 205591 RW-90 EP 1000V -40C FT1 FT4 DLO 2KV 90C P-7K-268080-01-MSHA

1/0 AWG AND LARGER:

TF CABLE E193954 (UL) RHW-2 (SIZE) 2KV VW-1 ST1 SUN RES (CSA) 205591 RW-90 EP 1000V -40C FT1 FT4 SR OIL RES TC DLO 2KV 90C P-7K-268080-01-MSHA



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